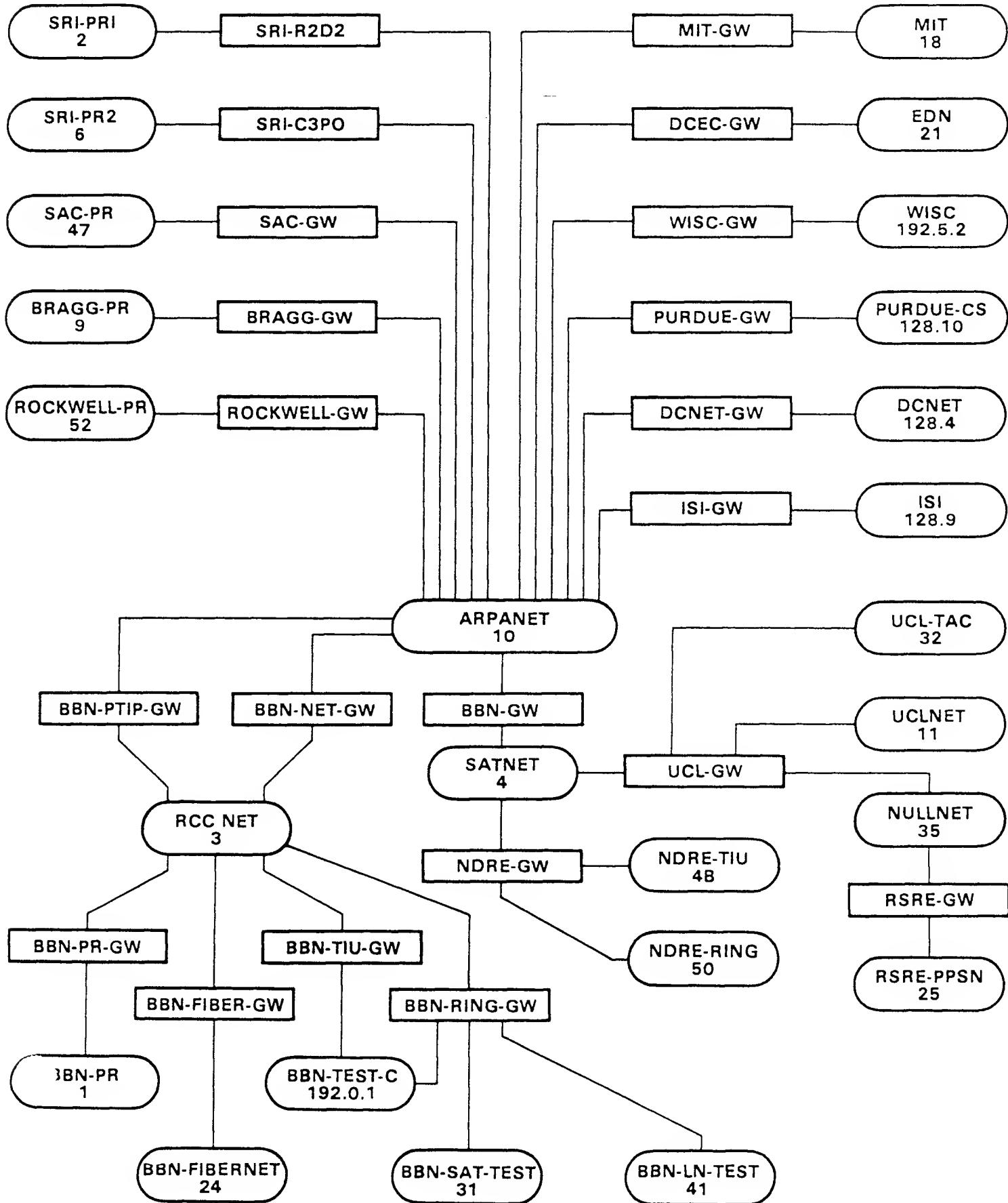


ADCCP	ADVANCED DATA COMMUNICATION CONTROL PROCEDURES	MTP	MAIL-TRANSPORT PROTOCOL
BBN 1822	SPEC FOR INTERFACE BETWEEN HOST AND ARPANET	M/W	MODEM/WIRE
CCITT	INTERNATIONAL TELEGRAPH AND TELEPHONE CONSULTATIVE COMMITTEE	NVP II	NETWORK VOICE PROTOCOL
CSMA	CARRIER SENSE MULTIPLE ACCESS PROTOCOL	PRNET	PACKET RADIO NETWORK
DIN 2 SIP	AUTODIN II SEGMENT INTERFACE PROTOCOL	RTP	REAL TIME PROTOCOL
FH	FREQUENCY HOP	SATNET	(EXPERIMENTAL) SATELLITE NETWORK
FTP	FILE TRANSFER PROTOCOL	SS	SPREAD SPECTRUM
GGP	GATEWAY-TO-GATEWAY PROTOCOL	TCP	TRANSMISSION CONTROL PROTOCOL
HDLC	HIGH-LEVEL DATA LINK CONTROL (PROCEDURE)	TDMA	(SYNCHRONOUS) TIME DIVISION MULTIPLE ACCESS
HOH	HDLC DISTANT HOST	TELNET	TERMINAL/HOST TRANSPORT PROTOCOL
IMP	INTERFACE MESSAGE PROCESSOR	TFTP	TRIVIAL FILE TRANSPORT PROTOCOL
JTIDS	JOINT TACTICAL INFORMATION DISTRIBUTION SYSTEM	UDP	USER DATAGRAM PROTOCOL
		VDH	VERY DISTANT HOST
		X.25	CCITT VIRTUAL CIRCUIT PROTOCOL

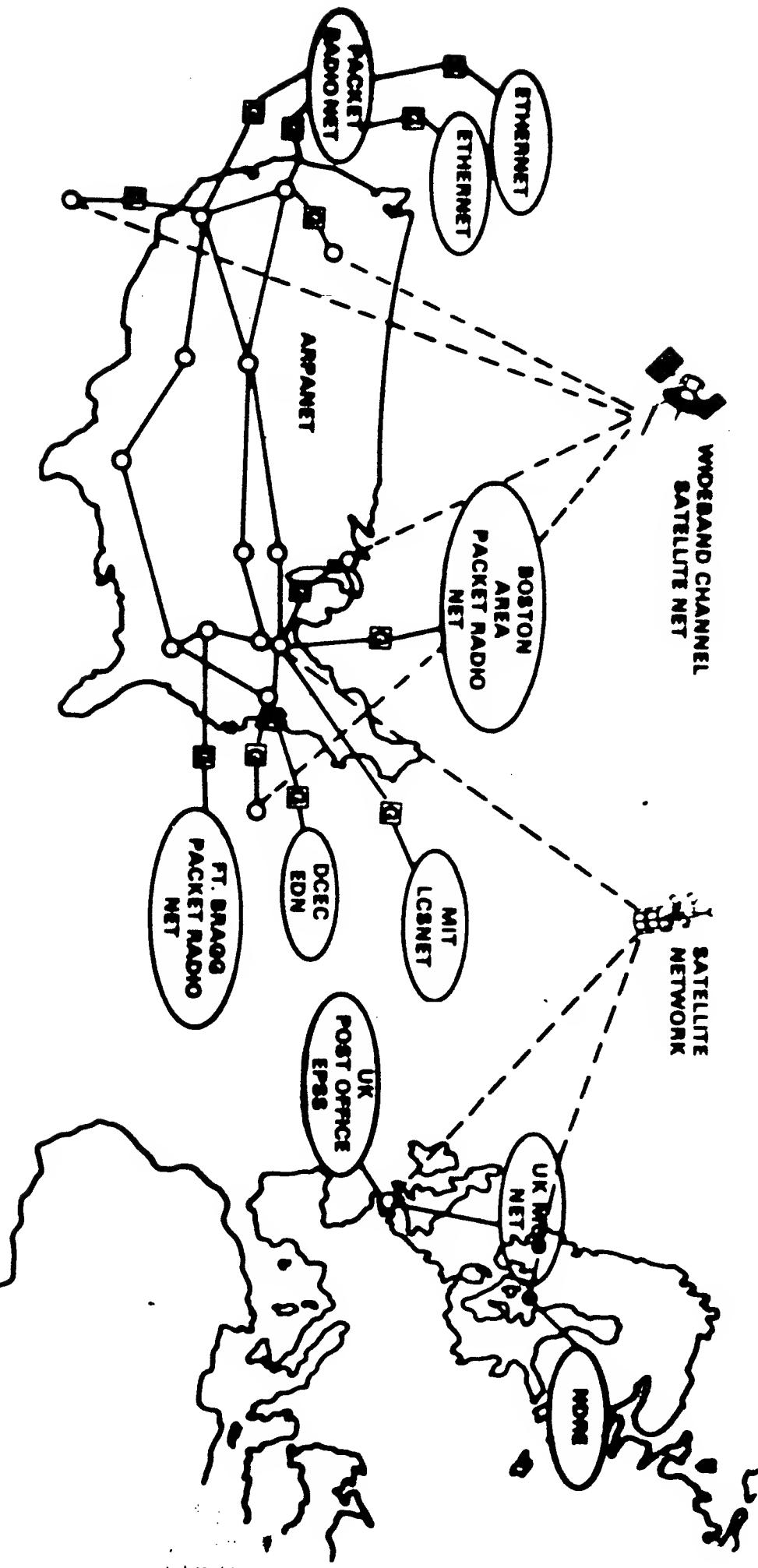
FIGURE 4-2.
LAYERED PROTOCOL STRUCTURE FOR THE DARPA REFERENCE MODEL

INTERNET MAP

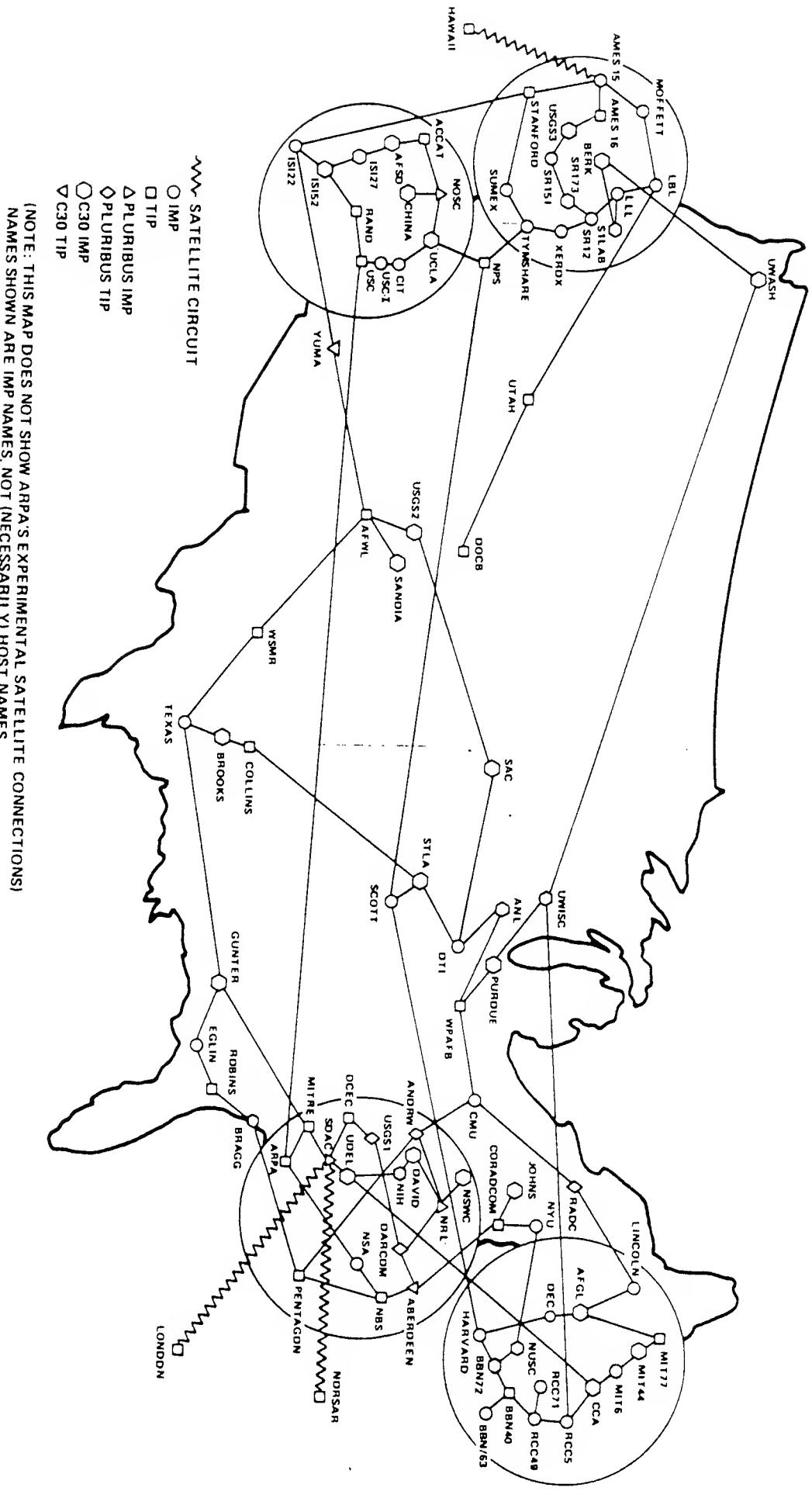


EXPERIMENTAL INTERNET SYSTEM

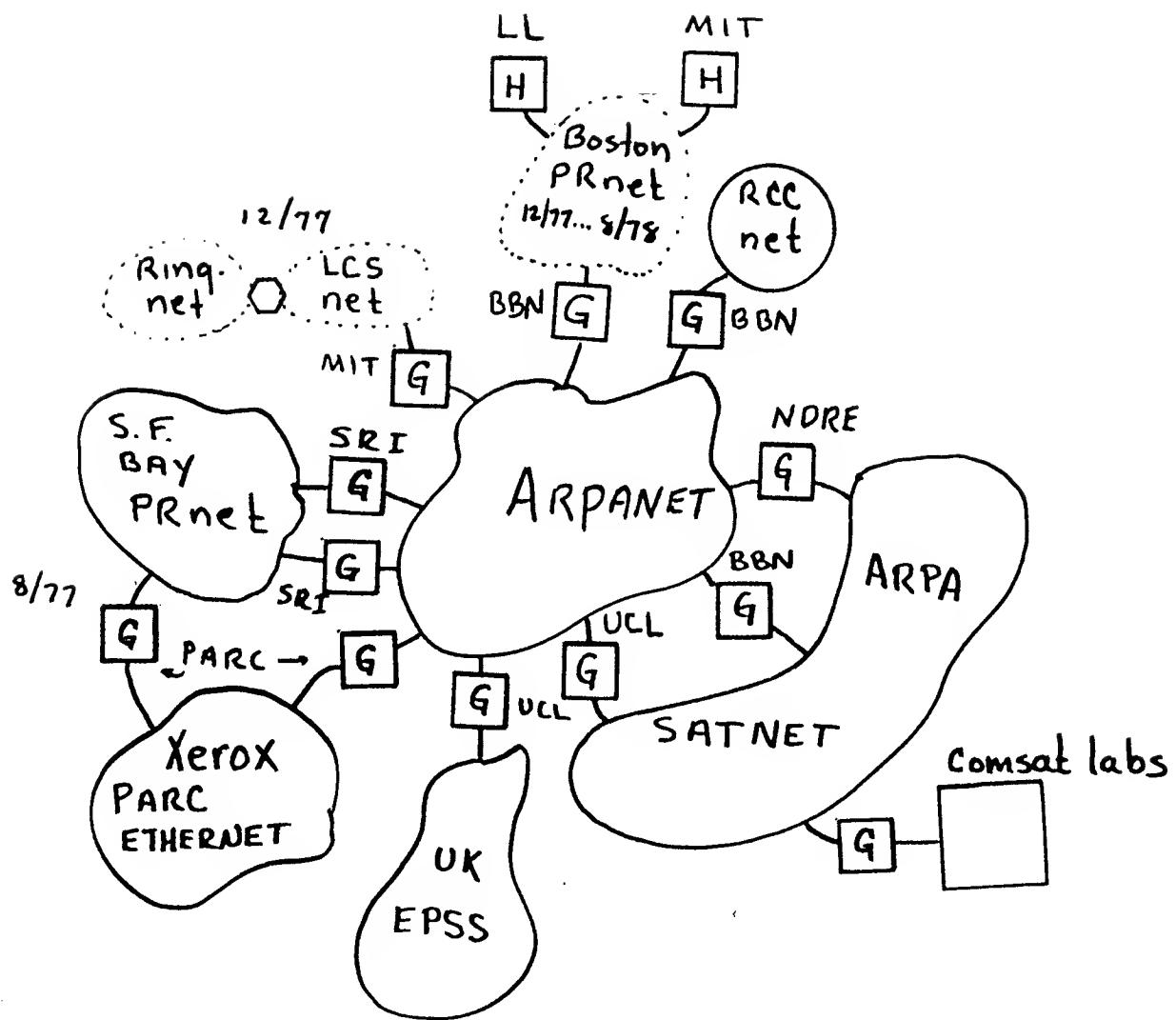
JANUARY 1979
JUNE 1979
OCTOBER 1980



ARPANET GEOGRAPHIC MAP, FEBRUARY 1982



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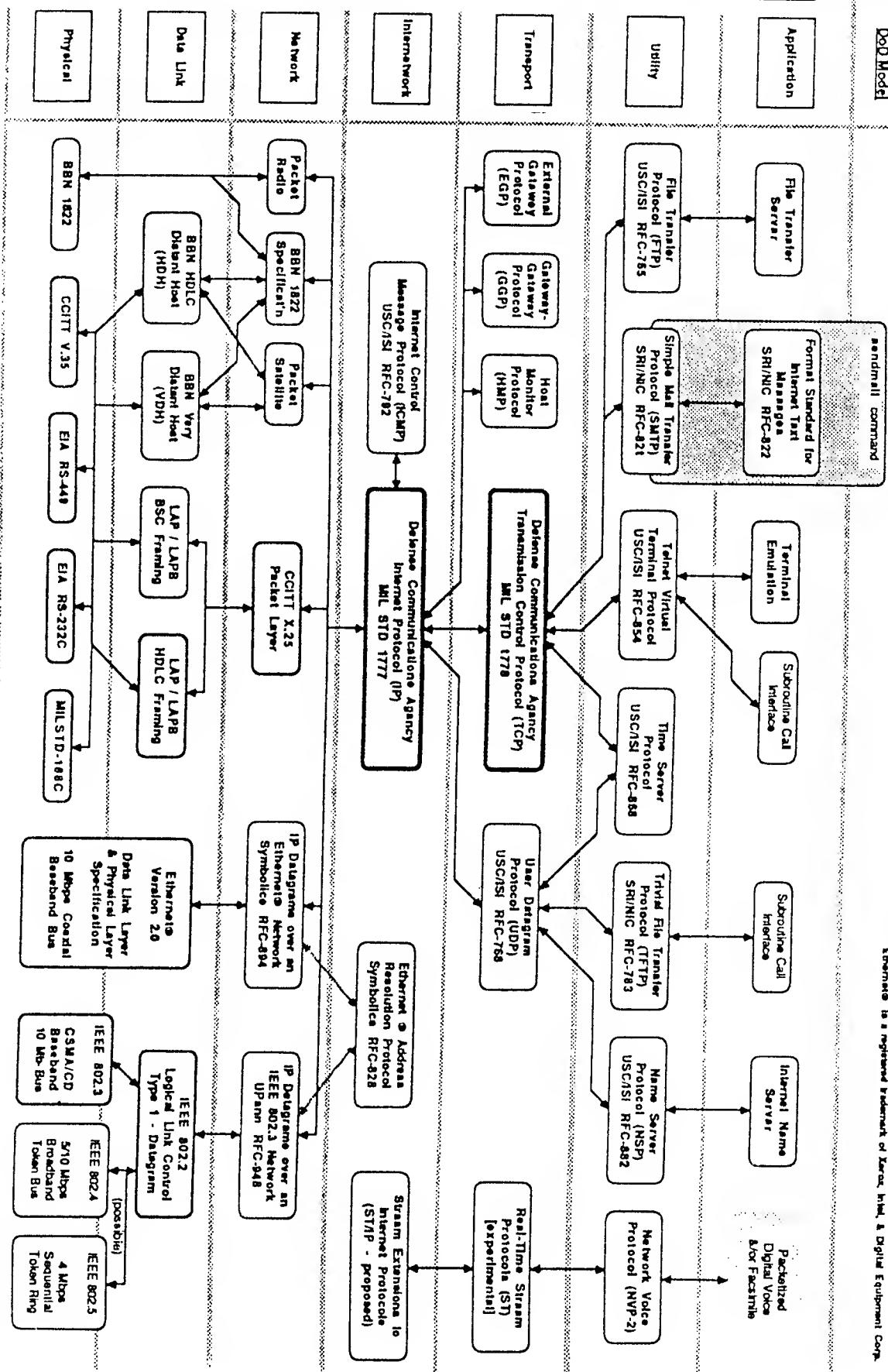
Current internet environment

DOD Internet Architecture

(TCP/IP and Friends)

Functional Layers:

ISO Model DoD Model



Legend:
 SRI/NIC - SRI Information & Network Information Center
 USCISI - University of Southern California Information Sciences Institute
 BBN - Bolt, Beranek, and Newman, Inc.
 UPenn - University of Pennsylvania
 Symbolics - Symbolics Cambridge Research Center